

19971216.ba v01_n835.bam.971216 v01_n836.bam.971216

>From ???@??? Tue Dec 16 23:16:17 1997
Message-Id: <199712161848.MAA23854@sco.theporch.com>
Date: Tue, 16 Dec 1997 12:48:27 CST
Subject: BOATANCHORS digest 1835

BOATANCHORS Digest 1835

Topics covered in this issue include:

- 1) Re: Hamfest
by Bob/WB0AUQ <brainbol@lawrence.ks.us>
- 2) Re: Ball and needle bearings
by Tim Richardson <tim@america.net>
- 3) Heath SB-200 Questions
by Ken Brookner <brooknerk@acm.org>
- 4) Re: 6336
by rlahlum@juno.com (Ross J Lahlum)
- 5) Re: METER GLASS REPAIR
by John Kolb <jlkolb@cts.com>
- 6) Looking for T-368 and/or parts
by "Bruce J. Howes KG2IC" <bhowes@buffnet.net>
- 7) Re: 6336
by Scott Robinson <spr@earthlink.net>
- 8) Re: Baby Boom Radio Books
by "Don L. Davis" <dxguy@earthlink.net>
- 9) Re: BC-645 (RE: Phasitrons)
by Ho4bart <Ho4bart@aol.com>
- 10) Re: Tube testers -
by w7ni@teleport.com (Stan Griffiths)
- 11) Old Log Books and QSLs: Any Collectors?
by arc5@ix.netcom.com
- 12) Tip: round holes in foam for shipping
by "Ray L. Mote" <rmote@rain.org>
- 13) Collins 3.1KHz Filter for the 75A4
by "Herbert M. Rosenthal" <herbrose@lobo.net>
- 14) Re: 6336
by John Shriver <jas@shiva.com>
- 15) VHF OTs used '522
by MNHopkins <MNHopkins@aol.com>
- 16) Re: VHF OTs used '522
by Ken_Warren@beavton.k12.or.us (Ken Warren)
- 17) ADMINISTRIVIA: Changing Email Addresses
by listown@jackatak.theporch.com (Mail List Owner)
- 18) Meissner manual needed
by JONWEINER <JONWEINER@aol.com>
- 19) Whats Gone (WTS AMSTATION)

by "larry W6WUH" <rau@wco.com>
20) Re: Tube testers -
by Henry van Cleef <vancleef@netcom.com>
21) Larry's 808's
by sinned@VNET.IBM.COM
22) Re: Tube testers -
by Avery Comarow <acomarow@USNEWS.COM>
23) CG Catalog
by john <johnmb@mindspring.com>
24) EFJ pain numbers needed (again!)
by "Buzz (Wayne) Harrah" <wayne.harrah@mci.com>
25) PW-Dials Redux
by don merz <71333.144@compuserve.com>
26) Re: Tube testers -
by John Shriver <jas@shiva.com>

Date: Mon, 15 Dec 1997 22:11:58 -0600
From: Bob/WB0AUQ <brainbol@lawrence.ks.us>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Hamfest
Message-ID: <3495FF8E.3180@lawrence.ks.us>

Lloyd, et al.:

Folks down at Univ of Ark have a web page of hamfests for several states. Maybe GA and FL have registered something there already for 1998. Worth a checkout:

<http://www.hamfest.org/eventbrw.htm>

--

73,
Bob/WB0AUQ/AFA3RE AMI #1162 FISTS #1905
e-mailto:brainbol@lawrence.ks.us

Date: Mon, 15 Dec 1997 23:18:18 -0500
From: Tim Richardson <tim@america.net>
To: boatanchors@theporch.com
Subject: Re: Ball and needle bearings
Message-ID: <2.2.32.19971216041818.0076bdd8@pop.america.net>

At 08:22 AM 12/15/97 -0700, Hank van Cleef wrote:
>Thought I'd toss this one out, because old electronics sometimes have
>ball and needle bearings in various places. This includes loose balls
>(the type that always drop on the floor and vanish) and needles.

<SNIP>

>Small Parts in Florida, which I learned about from Bobbi Barmore, also
>supplies loose bearing balls in various sizes, and a whole lot of
>other handy mechanical stuff. They also can supply the small screws
>used in old electronics.

Another source of loose bearing balls is your local bicycle repair shop.
They are typically stocked in 1/8, 3/32 and 1/4 inch sizes.

Tim Richardson WB4HZT Acworth, GA <tim@america.net> <http://www.america.net/~tim/>
"Those who cannot remember the past are condemned to relive it."-Santayana

Date: Mon, 15 Dec 1997 21:09:24 -0800
From: Ken Brookner <brooknerk@acm.org>
To: "'boatanchors@theporch.com'" <boatanchors@theporch.com>
Subject: Heath SB-200 Questions
Message-ID: <01BD099D.B8F7B980@brooknerk@acm.org>

I picked up a pretty pitted SB-200 a month or so ago and am just now
getting to it. I've never worked on an amp like this before and prior to
rolling up my sleeves and getting dirty, I wanted to see if there were any
common failure modes.

Somewhere along the line, someone replaced all the caps on the filter
board with ones that were way too tall. so, the top plate--much less a
case--wouldn't fit. since the filter board was in bad shape anyway, I
replaced it with the Harbach filter board, inrush limiter, and relay low
voltage mod. Also, C-24, the 1000 uuf, 5KV cap has been replaced with 2
500 uuf 20 KV caps in parallel. Not a great job and I intend to clean
this up. PC1 and PC2 look like they've seen much better days. If anyone
can tell me the value of the resistors, I'll replace them. If you've got
coil data for them too, I'd just as soon wind some new ones on new
resistors--these have been worked over and I can't really tell what they
should be. I'm really suspicious of these units...

40 and 20 meters are the only bands that seem to halfway work. on 40,
110W in gets 500W out. On 20, 110W in results in 450W out.

Here's what I've found:

80 meters: 120W in, 130W out. 200ma plate, 60ma grid, 2100V plate.
40 meters: 110W in, 500W out. 325ma plate, 230ma grid, 1950V plate.
20 meters: 110W in, 450W out. 320ma plate, 120ma grid, 1950V plate.
15 meters: 110W in, 260W out. 240ma plate, 105ma grid, 2000V plate.

10 meters: 110W in, 130W out. 200ma plate, 105ma grid, 2100V plate.

Any suggestions/advice will be appreciated. Thanks!

kenb

Ken Brookner
brooknerk@acm.org
kenb@qatrix.panther.net

Date: Mon, 15 Dec 1997 23:42:33 -0600
From: rlahlum@juno.com (Ross J Lahlum)
To: ranickel@mwci.net
Cc: boatanchors@theporch.com
Subject: Re: 6336
Message-ID: <19971215.234233.11782.1.rlahlum@juno.com>

Sort of a 6SN7 on steroids. Low plate resistance, sometimes used as a pass regulator.
I've also seen them in some output transformerless audio amp designs, but they don't seem to have ever caught on in those circles.
Anybody know of any other applications?

On Mon, 15 Dec 1997 20:55:06 +0000 "Robert Nickels" <ranickel@mwci.net> writes:
>Hi All,
>
>6336 Amperex - look like audio firebottles. Or are they used
>in BA gear? New to me...
>
>73, Bob W9RAN
>

Date: Mon, 15 Dec 1997 22:05:28 -0800 (PST)
From: John Kolb <jlkolb@cts.com>
To: JOHN SEHRING <JOHN_SEHRING.parti@ecunet.org>
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: METER GLASS REPAIR
Message-ID: <Pine.SC0.3.91.971215220426.27450C-100000@sd.cts.com>

On Mon, 15 Dec 1997, JOHN SEHRING wrote:

> I use G.E. household silicone adhesive for putting the glass back into
> meters. It sticks well to both glass & plastic (even old plastic) meter
> housings.
>
> I let the glass & case cure for several days though as the usual silicone
> adhesive outgasses acetic acid for a while & don't want that to get into
> the meter movement, caustic I think.

There's an electronic grade of RTV which does not outgass the acetic acid.

John Kolb KK6IL

Date: Tue, 16 Dec 1997 01:20:21 -0400
From: "Bruce J. Howes KG2IC" <bhowes@buffnet.net>
To: Boat Anchors Mailing List <boatanchors@theporch.com>
Subject: Looking for T-368 and/or parts
Message-ID: <34960F95.95740D54@buffnet.net>

Hello all.

I am looking for the following T-368 parts for a "F" model that I am restoring. If you have these or any other 368 stuff I would be interested. Hopefully someone has some of these goodies laying around.

- Exciter, complete or parts unit.
- Meters, esp. the Excitation and Fil Voltage units
- Pilot Lights, and or lens
- Circuit Breakers frm Front Panel
- 2 Deck Handles
- Mic Plug and Socket
- Connector for rear Panel control jack

If you have any, all or other T-368 stuff I would be very interested in hearing from you, will even pick-up complete unit within 400 miles of Buffalo, NY. Small stuff I will pay shipping on.

Please contact me via telephone at 716/625-800 days, 716/689-6727 evenings, or email to kg2ic@amsat.org.

Thank you!

--
73,

Bruce KG2IC

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: Bruce J. Howes KG2IC          email: kg2ic@amsat.org      :
: AMSAT-NA Area Coordinator    web: www.buffnet.net/~bhowes :
: ARMY MARS AAR2AJ            fax: (716) 689-2880          :
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Date: Mon, 15 Dec 1997 23:53:57 -0800
From: Scott Robinson <spr@earthlink.net>
To: boatanchors@theporch.com
Subject: Re: 6336
Message-ID: <v03007801b0bbe263aeeb@[153.34.139.181]>

>Bob wrote:

>

>6336 Amperex - look like audio firebottles. Or are they used
>in BA gear? New to me...

A 6336 is a 6080 on steroids. A 6080 is a 6AS7 in industrila clothingIt
was designed for use a a pass element in regulated power supplies.

Plate dissipation (graphite anodes in a more or less receiving tube!) 30W
per section (two sections)

heater 6.3V 7.5A

Gm 11,000 uMhos

mu 2.7

See also 6528 and 6520.

You can build audio amps with these, and I have. They take a lot of
voltage to drive, and grid-plate arcing is a problem. The tubes don't seem
to be harmed by it, though.

Regards,

Scott Robinson
spr@earthlink.net

Junque is GOOD for you!

Date: Tue, 16 Dec 1997 01:24:31 -0800
From: "Don L. Davis" <dxguy@earthlink.net>
To: boatanchors@theporch.com
Subject: Re: Baby Boom Radio Books
Message-ID: <349648AA.581@earthlink.net>

Jim Reid was wondering about the Radios of th Baby Boom Era books from AES.

I believe that they are merely reprints of part of the first page of every SAMS photofact set with radios. They provide a small amount of add'l info & the pix didn't look all that great from what I saw. The real utility of this book is to look thru the ads in Antique Radio Classified magazine & then match the number with the view & se if it tickles yer fancy. Good source of this data, however, unless you own Photofact sets 0001 thru 1000.

AES, by-the-way, is a great company. They have limited stuff & tube prices are a bit high, but they have good selection of books & they deliver in 2 or 3 days (super fast) and can order right off the ol' web.

don davis DXGUY@earthlink.net

Date: Tue, 16 Dec 1997 03:36:33 EST
From: Ho4bart <Ho4bart@aol.com>
To: boatanchors@sco.theporch.com
Subject: Re: BC-645 (RE: Phasitrons)
Message-ID: <f0de07ab.34963d95@aol.com>

I excerpted this from a note to me from tony grogan.
it may be of interest to some.
hue miller

> On this squib note. I had an APX-6 "given" to me that ACCIDENTALLY had the
> EXPLOSIVE device left in the front panel. It had just been removed from a
> crashed T-33 trainer. I grounded the device and removed it. In
reality..leave
> 'em alone..they can be heavy static concious!! Normally Aircraft Armorers
> reved the device when the set was due to be removed for maintenance. A BIG
> YELLOW/RED striped knob on the Inst. panel was used to fire the device. It
> was big enough to destroy the Cavity components to avoid re-use or reverse
> tuning that could be used to JAM an IFF. This was seen a lot during the
> Korean War. I understand these devices were not used in Europe.

Date: Tue, 16 Dec 1997 02:08:22 -0800 (PST)
From: w7ni@teleport.com (Stan Griffiths)
To: bill@skeeter.bvc.frco.com
Cc: boatanchors@theporch.com
Subject: Re: Tube testers -
Message-ID: <199712161008.CAA03933@smtp3.teleport.com>

>So why doesn't an emission test (along with gas and shorts) tell me all I
>need to know about a tube? Is there enough variation in geometry of a 6C4
>to require selecting tubes as frequency goes up? (The 6C4 is notorious for
>failing to oscillate at high frequencies.) Seems to me I should be able to
>rely on a minimum emission test unless the circuit design is marginal.

>
>Where did I go wrong? (about tubes, that is)
>
>Regards,
>Bill Hawkins

Hi Gang,

Bill inspires me to write about some of my early tube experiences at Tektronix in the Test Department where we fired up brand new Tek scopes for the first time and calibrated them.

There is an early tube boatanchor scope called the 524AD. It was the later version on the 524D. The year was 1961. The 524AD is a general purpose scope with a couple of extra circuits that make it more useful with TV video waveforms. It has a vertical bandpass of 10 MHz and is supposed to display stable 10 MHz sinewaves. The trigger and sweep circuits are very sensitive to the exact tubes you have in them and unless you have hand picked tubes in at least one and sometimes in several sockets, you just cannot get a clean 10 MHz sinewave display on the screen. One tube location (I can't remember which) is PARTICULARLY sensitive and must have a "good" tube in it. A "good" tube is defined as one that produces a clean 10 MHz sinewave display. The technicians that worked on those scopes each had their own personal

"sync tube". This was a hand picked 6AG7 that produced clean 10 MHz waveform displays in every 524AD they tried it in. The first step in getting a brand new 524AD to trigger correctly was to pull the random 6AG7 out of that sensitive socket and plug in the "sync tube". Often that was all that was necessary to cause the display to give beautiful 10 MHz sinewaves. The technician would then go through a box full of 6AG7s trying one after another until he found one that would work in the sensitive socket. He would leave that tube in place and put the precious "sync tube" back in its hiding place to await the next 524AD. Sometimes, just plugging in the "sync tube" did not produce clean sinewaves. In that case, the technician would leave the known good "sync tube" in place and would try other, less sensitive, sockets and other tubes, until he got good sinewaves on the screen. Then he would find a good "sync tube" for that scope and remove and hide his personal "sync tube" again.

Some of these guys would take their "sync tube" home with them at night just to make sure they would still have it the next day!

Tektronix, like all companies in business for profit, used the most efficient methods they could to put good products out the door. They could EASILY have afforded tubes testers for everyone and even a few 570 Tube Curve Tracers if they would have helped to solve this type of problem. The fact is, tube selection by substitution is how they did it.

You won't find any mention of this technique in the service section of any Tek manual. It was passed on from technician to technician just like a legend and the legend finally died when Tek quit servicing 524Ds and 524ADs. Some of us still (almost) remember how it was done. I will get the chance to find out how much I remember when I get around to restoring my several 524Ds and one 524AD.

That was tube substitution in the factory.

In the field, older Tek scopes and plugins will often suffer from "cathode interface". I have mentioned this before and some of you may recall that cathode interface can be described as a "reduction in low frequency gain" and shows up as a spiked waveform when a clean, flat topped squarewave is applied to the input of a scope with about 10 MHz or more bandpass. I have seen this problem in the following tube types: 6AG7, 6DJ8, 6AU6, 12AU6, 6CB6, 6DK6, and a few others I can't remember right now. Replacing the tubes with new ones is the only cure. I have no idea if this problem would show up on ANY tube tester or even a 570 Tube Curve Tracer. Maybe Hank will have some ideas on this. I will have to borrow a tube tester so I can try it, I guess . . .

That was tube substitution in the field.

In another part of the factory, CRTs were manufactured and tested. Most of

the time, the tube tester was a regular scope that the CRT was to be used in with its guts spread out all over a table and the internal screw driver adjustments replaced by controls with knobs on them so the person doing the testing could quickly adjust the scope for optimum operation to test the CRT. I bought a Tektronix 549 storage scope in this "spread eagle" condition and it will actually be a working instrument again someday.

Another example of testing tubes by substitution in the factory.

Don't get me wrong. I think there are good, valid reasons to use a tube tester. The best one was given by the guy who sells tubes, used and new, to others for unknown (by the seller) applications. He checks out the tubes in a good tube tester and this significantly raises the probability that he will ship tubes the customer will be happy with. It probably works well 99% of the time.

About a year ago, I was asked by a list member to send a few example of 6AU6 and 12AU6 tubes that had extreme cathode interface. He was going to test them in various ways to determine if cathode interface could be detected by tube testers. I sent about 4 of each tube but never heard back from him. Anyone else care to try that experiment? Like I said, I should try it, but I would have to borrow a tube tester . . . My real problem is that I can't see how I will be better off if I know the answer since I still believe testing the tubes in the circuit will tell me all I ever want to know about those tubes . . .

Standing by for comments.

Stan w7ni@teleport.com

Date: Tue, 16 Dec 1997 04:08:14 -0600 (CST)
From: arc5@ix.netcom.com
To: boatanchors@sco.theporch.com
Subject: Old Log Books and QSLs: Any Collectors?
Message-ID: <199712164744329358@>

Is there anyone who collects and preserves old log books and/or QSLs? I have two logs used by a W5 I'd like to send to someone who collects them. Also a couple of 1940s QSLs. Nice, complete entries from the 50s in the logs. I'll pay postage CONUS.

73 DE Dave Stinson AB5S
arc5@ix.netcom.com

Date: Tue, 16 Dec 1997 05:13:47 -0800 (PST)
From: "Ray L. Mote" <rmote@rain.org>
To: Boatanchors <boatanchors@sco.theporch.com>
Subject: Tip: round holes in foam for shipping
Message-ID: <Pine.SUN.3.96.971216050456.15454C-1000000@coyote.rain.org>

Ran into this one while making an eyepiece/accessory case for the telescope stuff. Should work well for shipping that 1L6 to your buddy in Podunk, or that Collins filter. Used the Harbor Freight gasket cutter of appropriate size, and it worked beautifully! (Gasket cutter kit of 13 cutter heads 1/4 to 1 1/2 inch plus handle is about \$20, their part number 06770-4JCA, at 800.423.2567) Did use ceramic rod to sharpen the cutters first, make the job go a bit more smoothly. If you save old foam cushions, this might be an economical way to store the unboxed tubes you've got lying around.

Babysitting the wife today after her angiogram. Doc sez she's got the arteries of a teenager! (Two treadmill failures and two cardiolyte failures had us both scared to death.) Whew! Guess that's as good a Christmas present as any I could think of.

73....Ray

Date: Tue, 16 Dec 1997 07:44:37 -0700
From: "Herbert M. Rosenthal" <herbrose@lobo.net>
To: BoatAnchors <boatanchors@theporch.com>
Subject: Collins 3.1KHz Filter for the 75A4
Message-ID: <349693CC.43F5@lobo.net>

I had a Collins 3.1KHz filter for the 75A4 for sale on the net a while back, elsewhere, and received several offers to buy.

One real 'gotta have' respondent made me a firm offer, and so I waited for his payment..and waited..and waited. The guy eventually backed out, only after I had held it for a month..and called him..

Which brings me to the purpose of writing this..it is available once more, at the original price, \$85, I ship Insured and Priority..with your approval that it works to your satisfaction when you check it out.

I do not have a RX to test it, but it does do its thing on the bench with a sig gen and a scope..

If you try it, and decide it's not what you want, send it back, and when I receive it, I'll send you a check for the \$85 less my shipping cost..probably no more than \$5.

So, you can have it on approval for five dollars, ..

If you agree to this, and it doesn't meet your expectation, plan to return it insured, to make certain I receive it; hopefully, this won't be necessary.

Holiday Best,
Herb Rosenthal W5AN

Date: Tue, 16 Dec 1997 10:31:16 -0500
From: John Shriver <jas@shiva.com>
To: ranickel@mwci.net
Cc: boatanchors@theporch.com
Subject: Re: 6336
Message-ID: <199712161531.KAA29718@brill.shiva.com>

As Scott noted, one can in extreme cases use the 6336 for audio, particularly OTL. Like the 6AS7 and 6080, it is VERY prone to negative grid current. Not only does it need a lot of drive, it needs it from a LOW impedance source. Certainly there was no use of it in audio in the "first" tube audio era.

As for where they were used in the real world, it was in laboratory equipment. They were used as pass tubes in regulated power supplies. I don't think that they were in many bench supplies (like a Lambda), since you probably wouldn't have much voltage adjustment range. (The "safe operating area", to lift a transistor term, is quite limited for them.)

For instance, there's one (or a pair?) in the Tektronix 129 power supply for running four 2 or 3 series plugins. I have one dead used 6336 with a Beckman label, I suppose it probably was used in the Beckman "pig" frequency counters (the ones with the four-tube Decade Counter Units).

It is a pricey tube still, probably because it was always rare, and people are probably still needing it for old instruments.

Date: Tue, 16 Dec 1997 10:33:02 EST
From: MNHopkins <MNHopkins@aol.com>
To: Boatanchors@theporch.com
Subject: VHF OTs used '522
Message-ID: <47fec768.34969f3e@aol.com>

This from VHF News for April, 1949:

To a survey, 11 W8s responded describing their stations

Of the 11, one did not specify his TX and eight listed the 522 while other two were running 829Bs

On Receive, only five used the 522 (one had a 6J6 preamp) and three used the RME VHF-152 or -152A converters.

--The VHF News, Apr., 1949, p 4 (Published by W9NFK, Franklin Park, Ill.)

I am familiar with the RME converter, one of the old types that was tunable and converted down to a specific frequency, usually in 40M or BCB. They drifted and the whole class was replaced by hetrodyne units like the Tecrafts.

But what is a 522? Some type military device, obviously, but what specifically?

73 de ab5L, michael in dallas, student of Tecraft and International (ICM) ham products and mementoes of Six Meters' Golden Age: 1957-58

Michael Hopkins

Box 226841

Dallas, TX 75222 MNHopkins@AOL.com

Date: Tue, 16 Dec 1997 10:08:52 -0700
From: Ken_Warren@beavton.k12.or.us (Ken Warren)
To: boatanchors@theporch.com
Subject: Re: VHF OTs used '522
Message-ID: <2619211709.19734528@beavton.k12.or.us>

I suspect they are refering to the AN/SCR-522. This is an AM crystal controled seperate transmitter and receiver in one box used for aircraft and ground communication. Power out was around 8 to 12 watts as I recall and covered the frequency range of 100-156 Mhz. Easily converted to rack mount (ouch). That was my first VHF transmitter and I used the BC-639 receiver. I still have a transmitter around somewhere.

Ken Warren K7RPX

Ken_Warren@beavton.k12.or.us

KenwK7RPX@worldnet.att.net

--

Beaverton School District

Beaverton, Oregon

Date: Tue, 16 Dec 97 11:15:00 CST
From: listown@jackatak.theporch.com (Mail List Owner)
To: boatanchors@sco.theporch.com
Subject: ADMINISTRIVIA: Changing Email Addresses
Message-ID: <199712161715.LAA06466@jackatak.theporch.com>

Gang-

This periodic post is intended to help subscribers whose email address has changed, preventing posting or receipt of the list.

If you change ISP (InterNet Service Provider), simply send me an email advising the change, and I will do my best to implement the change quickly.

For those unfortunates, whose ISP has made a change without advising their customers of the potential impact of that change on subscribers to email lists like the boatanchors, where one must be a subscriber to post to the list, try to follow along...

Under some circumstances, the changes to your email address are "transparent" to you, but prevent posting. I get error notification for these kinds of problems, and I try to work them out. However, I may miss one, and on this end, the process is anything BUT automatic.

You have a bigger stick than I do. You and your ISP have the primary responsibility to repair the problems caused by the change at the ISP. I have zero leverage with your ISP, and you have great leverage.

Most ISP maintain a customer service department to help with problems like these. This should be your first line of support for email problems. I am happy to assist and consult, but try to understand that when your ISP makes a change to their email handler, and that change prevents you from posting to the boatanchors list, I can help, but resolving this problem is your responsibility, working with your ISP. I am but a volunteer, contributing my time to administer the list.

Thank you for your attention.

--

73

Jack, W4KH/Mobile - - - BoatAnchor Mailing List Archiver/Owner - - -
listown@jackatak.theporch.com - "Plus ca change, plus c'est la meme chose"

Date: Tue, 16 Dec 1997 12:05:50 EST
From: JONWEINER <JONWEINER@aol.com>
To: boatanchors@theporch.com
Subject: Meissner manual needed
Message-ID: <cae6e92f.3496b4f0@aol.com>

I am trying to resurrect a Meissner Signal Shifter, model EX (turret bandswitching), and I need a copy of the manual and schematic. Thanks for the help.

Jon

Date: Tue, 16 Dec 1997 09:30:47 -0800
From: "larry W6WUH" <rau@wco.com>
To: "boatanchors" <boatanchors@theporch.com>
Subject: Whats Gone (WTS AMSTATION)
Message-ID: <199712161732.JAA01236@shell.wco.com>

these items are spoken for:

Viking 1 with case overhauled
Viking 122 VFO
WRL Matcher Senior
Bud Prestige Desk rack

SORRY FOR CONFUSION DEPARTMENT:

Manuals ONLY are available for G-66 and G-77 price is \$ 15 each..rules of ware

Micro wave tubes.. and 808's I will figure a fair (cheap price) to a good home (modified rules of ware)

My appologies to W7FG who had to phone from Oaklahoma because my ad was unclear.Sorry !

Thanks for all the mail...

Larry

Date: Tue, 16 Dec 1997 10:45:57 -0700 (MST)
From: Henry van Cleef <vancleef@netcom.com>
To: w7ni@teleport.com
Cc: boatanchors@theporch.com
Subject: Re: Tube testers -
Message-ID: <199712161745.JAA19838@netcom5.netcom.com>

As Stan Griffiths discourses

>
> Hi Gang,
>
> Bill inspires me to write about some of my early tube experiences at
> Tektronix in the Test Department where we fired up brand new Tek scopes for
> the first time and calibrated them.

(524AD war stories snipped. Boy, I remember those monsters. There was a big flap at Tek when the TV folks found out about cathode interface---they'd been using 524AD's to set up the signal quality for transmission of signals down coax, and had knocked the signals down to make them look good on 524AD that were loaded with cathode interface. Result: lousy quality at the viewer end. Fortunately, the consumer TV's of the day had such wretched ringing and phase delay that a crummy video signal wasn't all that obvious.)

>
> Tektronix, like all companies in business for profit, used the most
> efficient methods they could to put good products out the door. They could
> EASILY have afforded tubes testers for everyone and even a few 570 Tube
> Curve Tracers if they would have helped to solve this type of problem. The
> fact is, tube selection by substitution is how they did it.
>
> You won't find any mention of this technique in the service section of any
> Tek manual. It was passed on from technician to technician just like a
> legend and the legend finally died when Tek quit servicing 524Ds and 524ADs.
> Some of us still (almost) remember how it was done. I will get the chance
> to find out how much I remember when I get around to restoring my several
> 524Ds and one 524AD.
>
> That was tube substitution in the factory.
>
> In the field, older Tek scopes and plugins will often suffer from "cathode
> interface". I have mentioned this before and some of you may recall that
> cathode interface can be described as a "reduction in low frequency gain"

> and shows up as a spiked waveform when a clean, flat topped squarewave is
> applied to the input of a scope with about 10 MHz or more bandpass. I have
> seen this problem in the following tube types: 6AG7, 6DJ8, 6AU6, 12AU6,
> 6CB6, 6DK6, and a few others I can't remember right now. Replacing the
> tubes with new ones is the only cure. I have no idea if this problem would
> show up on ANY tube tester or even a 570 Tube Curve Tracer. Maybe Hank will
> have some ideas on this. I will have to borrow a tube tester so I can try
> it, I guess . . .
>
> That was tube substitution in the field.

So far as I know, cathode interface won't show up on a tube tester, certainly not as anything identifiable as such. So far as 570's go, I took one off the shelf once to see what it would do, blew up one tube with wrong settings, and looked at it with some other tubes, then put it back on the shelf to collect more dust. So I'm not a wizard on getting any mileage out of those things. I think Tek matched the match-d pair tubes on them, but that only means DC match at several points.

Faults that will suggest that I toss the toob and not plug it in are faults I can find quickly with a Simpson meter. A tube tester doesn't even have a check for heater continuity; you find that out when the tube doesn't glow in the dark. A quick walk around the pins with an ohmmeter not only tells you if the heater is continuous, but gives you a chance to do short checks between elements. The same Simpson meter, on the DC volts scales, and a quick walkaround of the tube socket terminals with the tube plugged in, tells you most everything else a tube tester will tell you.

If I ever worked anyyplace that wasn't a consumer operation that had a toob tester, I sure don't remember it. Maybe Millen had one collecting dust somewhere but certainly there never was one anywhere where someone would use it. In short, if the sucker didn't work, and the voltages were right, try another tube. If that makes it work, you've fixed it.

In consumer stores, there was a tube tester with a big big meter that said "BAD-?-GOOD" on it. It was there for customer satisfaction. Sold a lot of toobs. Lots of profit in selling toobs, lots more than in selling labor. Lots of those "bad" toobs ended up in home projects and experiments where they worked jes fine.

Tube testers don't measure AC conditions. Cathode interface is an AC condition. For screening lots of unkown tubes, I guess a toob tester will screen out the worst of them, but I sure wouldn't toss a toob with no shorts, no gas, and a good header just because it reads "BAD" on the meter. Conversely, I wouldn't expect a toob that reads "GOOD"

on the meter to work in the circuit if the circuit isn't working.
Quickest toob test is "try another toob"---if it works, you've fixed it.

>

Hank van Cleef

=====

Date: Tue, 16 Dec 97 11:44:22 CST
From: sinned@VNET.IBM.COM
To: boatanchors@theporch.com
Subject: Larry's 808's
Message-ID: <199712161752.LAA22203@sco.theporch.com>

Whoever get's 'em needs to get 'em on the air. I still claim the title of "Only 808 Rig on the Air in BALand". My rig is lonely and would like to converse with it's brethren firebottles, someday. There is another 808 rig under construction by K5RB here in Dallas though.

FWIW: I'll be happy to divulge a couple of hints to anyone building another 808 rig, like the exact size washers you need to buy for the neutralizing condensers!

73 de W5FRS
Dennis
sinned@vnet.ibm.com
(on 3579 w/808's nearly every nite)

Date: Tue, 16 Dec 1997 12:18:02 -0600 (CST)
From: Avery Comarow <acomarow@USNEWS.COM>
To: <vancleef@netcom.com>
Cc: boatanchors@theporch.com
Subject: Re: Tube testers -
Message-ID: <199712161818.MAA22871@sco.theporch.com>

To Hank, Stan, and others more conversant with tube subtleties than I am:

Please, what IS "cathode interface"? It sure sounds impressive if supressing it required *exactly* the right tube.

Avery W40GK

Date: Tue, 16 Dec 1997 13:30:00 -0500
From: john <johnmb@mindspring.com>
To: boatanchors@theporch.com
Subject: CG Catalog
Message-ID: <199712161830.NAA22402@camel14.mindspring.com>

Was just poking through this catalog here at work, and noticed some nifty BA type things. While I knew GC makes a Brilstol wrench set, I did NOT know that they carry the small Drake TR series knobs (37-576-BU), FishPaper (#550), Cambric (#549). Q dope (10-3702), Strip-x (for Litz) (10-2602), Knurled shaft nut wrenches (9358 and 9359) and lotsa other goodies....

GC - 1-800-435-2931

...now...back to work. Rats!
/John

```
+-----+
|Wanted:      Howard Co. receiver/acc'ys/docs      |
|              AWA-OTB back issues...              |
|              ----- WB50AU/4      AMI #24 -----|
|              johnmb@mindspring..com              |
+-----+
```

Date: Tue, 16 Dec 1997 12:31:09 -0600
From: "Buzz (Wayne) Harrah" <wayne.harrah@mci.com>
To: BoatAnchor Reflector <BoatAnchors@theporch.com>
Subject: EFJ pain numbers needed (again!)
Message-ID: <3496C8ED.6060@mci.com>

Boat People,

I can't apologize enough. I'm too new to know how to file every tidbit (especially if I don't know I will need it) and am just now discovering that I do, indeed need some. Then I have a comment.

Please forward to me directly (not the reflector, due to repetition of bandwidth) the GM paint ID for the Maroon EFJ cabinet color. A group of us are looking into getting ours redone by a professional, and having the right number would help. We just can't find the previous postings. Sorry.

--

Buzz

* 'Buzz' (Wayne) Harrah (ke0ms)*

* mailto:Wayne.Harrah@mci.com *

* 1-800-728-7000, ext. 2096 *

* V820-2096 *

proverb: "Some questions are unanswerable; some answers are questionable."

Thought: If a FLY had no wings, would it be called a 'WALK'?

Date: Tue, 16 Dec 1997 13:27:49 -0500

From: don merz <71333.144@compuserve.com>

To: boatanchors@theporch.com

Subject: PW-Dials Redux

Message-ID: <199712161330_MC2-2C2E-2798@compuserve.com>

Hi. My nice old NC-101 (not "A") came with a german-silvered PW dial that was pretty scraped up. I replaced it with a black-faced one that I had but I'd like to return it to original at some point. So if anyone has a nice german-silver PW dial, I can use it. I can pay cash or trade a mint, new-in-box black one for one in like condition.

Has anyone ever cataloged the various colors those dials came in? Here's what I have seen:

Light gray: NC-100, others

Medium gray: RCP, RCE, others

German silver: NC-101 (the only one I know of)

Black: 1-10, HRO

Bare metal (buffed): HRO-60

Any others?

73, Don

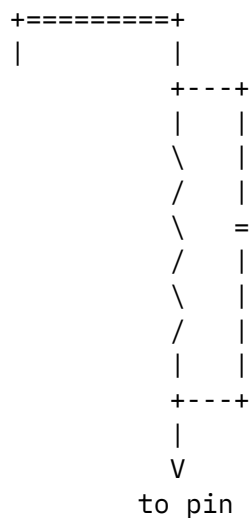
Date: Tue, 16 Dec 1997 13:47:40 -0500

From: John Shriver <jas@shiva.com>

To: acomarow@USNEWS.COM

Message-ID: <199712161847.NAA03757@brill.shiva.com>

The result is that between the tube pin and the cathode, there is effectively a RC network in series:



Vacuum tube computers were NOT happy about cathode interface. Their manufacturers were far larger buyers of tubes than Tektronix in their day, and were probably the commercial motivator to the tube makers to solve the problem.

This would probably not be a problem to the operation of a tube in RF or IF amplifier service. On the other hand, it would REALLY do a job on a VOX amplifier tube. Since even a transconductance tube tester tests a tube at 60 Hz (or maybe 120 Hz), it's not going to see the cathode interface.

End of BOATANCHORS Digest 1835

>From ???@??? Tue Dec 16 23:16:57 1997
Message-Id: <199712170013.SAA29262@sco.theporch.com>
Date: Tue, 16 Dec 1997 18:13:37 CST
Subject: BOATANCHORS digest 1836

BOATANCHORS Digest 1836

Topics covered in this issue include:

- 1) Re: VHF OTs used '522
by Ken Gordon <keng@uidaho.edu>
- 2) FS/trade: xtal - put your S-Line on 30 m.
by Brien Pepperdine <pepperb@gov.on.ca>
- 3) Need connectors for BD-77
by "Owens, Clarence" <owensc@nebeng.otis.com>
- 4) Re: Tube testers -
by Avery Comarow <acomarow@USNEWS.COM>
- 5) SCR 522
by Spencer Petri <spetri@e-tex.com>
- 6) Is this net still working?
by "Cal J. Eustaquio" <ceustaqu@polymail.cpunix.calpoly.edu>
- 7) BUG WHAT IS IT
by DEE ALMQUIST <w4pnt@rica.net>
- 8) WTB: NC-183-D and/or HRO-60
by Avery Comarow <acomarow@USNEWS.COM>
- 9) Building R-390 from scratch
by "P. J. Rovero" <provero@connix.com>
- 10) WTD:B&W TANK COILS,INFO
by DEE ALMQUIST <w4pnt@rica.net>
- 11) Re: METER GLASS REPAIR
by Ed Tanton <n4xy@bellsouth.net>
- 12) Re design of 522
by philip mccooy <dgnova@erols.com>
- 13) SX-101
by ARONGV@aol.com
- 14) Building R-390 from scratch "The Other Tom"
by Tom Norris <badger@telalink.net>
- 15) Re: Info on Jackson Ball Drives
by Heinz und Hannelore Breuer <hbreuer@metronet.de>
- 16) Tube identification
by Morris Odell <morriso@vifp.monash.edu.au>
- 17) What is a BC-1033?

by Richard Post <post@ouvaxa.cats.ohiou.edu>
18) National RAO Receiver Mechanical Problem
by Dave Hollander <davidh@getnet.com>
19) Re: BUG WHAT IS IT
by Bob Roehrig <broehrig@admin.aurora.edu>
20) Re: Tube identification
by Al Klase <skywaves@bw.webex.net>
21) Re: What is a BC-1033?
by Al Klase <skywaves@bw.webex.net>
22) Heinz Breuer
by "larry W6WUH" <rau@wco.com>
23) On perfection inside a BA
by "Buzz (Wayne) Harrah" <wayne.harrah@mci.com>
24) HO-10 + 13 gone
by "larry W6WUH" <rau@wco.com>
25) DX Guy your mail is broke
by "larry W6WUH" <rau@wco.com>
26)
by JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
27) Tube price claification
by "larry W6WUH" <rau@wco.com>

Date: Tue, 16 Dec 1997 11:02:22 -0800 (PST)
From: Ken Gordon <keng@uidaho.edu>
To: MNHopkins <MNHopkins@aol.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: VHF OTs used '522
Message-ID: <Pine.BSF.3.95.971216105940.19835E-1000000@piobaire.mines.uidaho.edu>

> But what is a 522? Some type military device, obviously, but what
> specifically?

The SCR-522, military VHF AM transceiver, usually used in aircraft,
crystal controlled. MANY were converted by hams after WWII. I had one
once. Uses (I think) an 829 in the final. I THINK they were British
designed. Someone here can correct me on that (and probably will).

Ken W7EKB

Date: Tue, 16 Dec 1997 14:05:07 -0500 (EST)
From: Brien Pepperdine <pepperb@gov.on.ca>
To: boatanchors@theporch.com

Subject: FS/trade: xtal - put your S-Line on 30 m.

Message-ID: <Pine.OSF.3.93.971216133457.22525F-100000@govonca2.gov.on.ca>

S-line gone bye-bye ages ago... so....

I have for sale a crystal appropriate for putting a Collins S-line on 30m. If I remember correctly, I had this where the 15 mhz xtal is for WWV listening. Take that one out, put my xtal in and you can listen and transceive (and IF I remember correctly, this will have you on from 10.00 to 10.200, so you have WWV at 10.000 and the ham band as well from 10.100 to 10.150 - so no need to fret about loss of the WWV reference at 15 mhz since time and solar conditions will be available still). Recent xtal, not a flea market find -it was made up to Collins specs as per the manual 3 years ago by Lesmith Crystals up here. THIS IS a mixing scheme crystal for the heterodyne sheme, not a 10 mhz xtal.

U.S. \$20.00 - I will mail. I will decide whether to draw one of multiple replies or sell/trade to a particular party depending who ends up replying. (since I don't know if anyone who has been of particular assistance over the last couple years is interested, yet).

I'll wait until Friday to see who is interested.

tmx es 73,

Brien
Toronto
pepperb@gov.on.ca

Date: Tue, 16 Dec 1997 13:58:00 -0500
From: "Owens, Clarence" <owensc@nebeng.otis.com>
To: Boatanchors Post <boatanchors@theporch.com>
Subject: Need connectors for BD-77
Message-ID: <0ELAQ04TC00216@mailman.otis.com>

I am restoring a BD-77 dynamotor that is missing its two connectors, type S0-41 and S0-39. (These connectors are also found on the BC-375 and BC-191transmitters.) The mating plugs are PL-61 and PL-59, and those numbers may be printed on the chassis rather than the S0 numbers. If someone has a parts unit or loose connectors, I'd really appreciate hearing from you.

Thanks and 73

Clare Owens N2RJB
owensc@nebeng.otis.com

Date: Tue, 16 Dec 1997 13:30:22 -0600 (CST)
From: Avery Comarow <acomarow@USNEWS.COM>
To: "John Shriver" <jas@shiva.com>
Cc: boatanchors@theporch.com
Subject: Re: Tube testers -
Message-ID: <199712161930.NAA24902@sco.theporch.com>

John, fascinating, and it really does explain the implications of the phenomenon in a nicely understandable way. Thanks, and I'm glad you posted it to the group.

I learn so much from you guys!

Avery W40GK

At 01:45 PM 12/16/97 -0500, John Shriver wrote:

>Cathode interface is a failure of tubes used in DC amplifier
>conditions. It is particularly easy to cause if the tube is run
>cutoff most of the time. It is caused by impurities (silicon?) in the
>nickel cathode sleeve contaminating the cathode coating nearby. It
>forms a leaky capacitor between the cathode and the coating.

>

>The result is that between the tube pin and the cathode, there is
>effectively a RC network in series:

>

>+=====+

>| |
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> | |
> \ |
> / |
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> / |
> \ |
> / |
> | |
> +---+
> |
> V
> to pin

>

>At frequencies much above DC, the capacitor shunts out the resistor,
>and the tube acts normal. At DC, the resistor reduces the tube gain.
>You get exponentially droopy squarewaves through it.

>

>Vacuum tube computers were NOT happy about cathode interface. Their
>manufacturers were far larger buyers of tubes than Tektronix in their
>day, and were probably the commercial motivator to the tube makers to
>solve the problem.

>

>Some tubes that were redesigned versions not subject to cathode
>interface include the 8135 and 8136 (improved 6DK6). Tubes described
>as "suitable for long periods of operation under cut-off conditions"
>probably also are not subject to cathode interface.

>

>This would probably not be a problem to the operation of a tube in RF
>or IF amplifier service. On the other hand, it would REALLY do a job
>on a VOX amplifier tube. Since even a transconductance tube tester
>tests a tube at 60 Hz (or maybe 120 Hz), it's not going to see the
>cathode interface.

>-----

>Return-Path: <jas@shiva.com>

>Received: from usnews.com by dino.usnews.com (MX V4.2 AXP) with SMTP; Tue, 16
>Dec 1997 13:45:53 -0500

>Received: from alpha.shiva.com ([192.80.57.28]) by net.usnews.com with ESMTP id
><20738-3>; Tue, 16 Dec 1997 13:38:31 -0500

>Received: from brill.shiva.com (brill.shiva.com [140.248.193.94]) by
>alpha.shiva.com (8.8.6/8.8.6) with SMTP id NAA17830; Tue, 16 Dec 1997
>13:45:14 -0500 (EST)

>Received: by brill.shiva.com (SMI-8.6/SMI-SVR4) id NAA03757; Tue, 16 Dec 1997
>13:47:40 -0500

>Date: Tue, 16 Dec 1997 13:47:40 -0500

>Message-ID: <199712161847.NAA03757@brill.shiva.com>

>From: John Shriver <jas@shiva.com>

>To: acomarow@USNEWS.COM

>CC: boatanchors@theporch.com

>In-reply-to: <199712161818.MAA22871@sco.theporch.com> (message from Avery
>Comarow on Tue, 16 Dec 1997 12:18:02 -0600 (CST))

>Subject: Re: Tube testers -

>

Date: Tue, 16 Dec 1997 13:31:36 -0600 (CST)

From: Spencer Petri <spetri@e-tex.com>

To: boatanchors@theporch.com

Subject: SCR 522

Message-ID: <199712161931.NAA24990@sco.theporch.com>

Transmitter had a 832 final, 832 multiplier and 6V6 oscillator/multiplier string, methinks? Got one out in the barn down under some other "goodies."
73 de Pete WA5JCI EM21 "the future will be better tomorrow"

.....
6 Mtr -- WAS #490, WAC CW, DXCC/91 Countries, VUCC #361/626 Grids
.....
2 Mtr -- 36 States -- VUCC #346/183 Grids

Date: Tue, 16 Dec 1997 12:05:02 -0800 (PST)
From: "Cal J. Eustaquio" <ceustaqu@polymail.cpunix.calpoly.edu>
To: boatanchors@theporch.com
Subject: Is this net still working?
Message-ID: <Pine.HPP.3.96.971216115352.28426A-100000@monet.artisan.calpoly.edu>

Hi folks:

Still am at it with rebuilding yet another classis (almost from the ground up). But before I begin, I'm wondering if the BA net is still up.

Now I'm currently working on rebuilding an R-390A essentially from scratch. Hey, if you can't get one new, then make one! I took various plates and parts from several other chassis and sent off a good set to Nu-Metal finishing to realodine all the parts. I got them back several weeks ago and they look like gold! I retained an old backplate with cable harness and cleaned that up. Reinstalled the harness and used many new stainless hardware to assemble the rx (including the finger stock used to ground the rf deck). Front panel was redone in St. James Grey and I filled in the lettering using white out (more on that in the future). All new from panel hardware is used (except for the handles). I also completely stripped, washed off, primed, and repainted the knobs. I also used white-out for the pointers. Turned out to be great! I'm currently waiting for the freq readout bezel to dry out before I complete the front panel. I will begin test the individual modules on a good working R-390A. One thing is for certain: not one of those modules will be installed on the new deck until it has been cleaned, components replaced/repaired/tested, and fully aligned. I want a new rx by the time I'm done! Cal, N6KYR.

Date: Tue, 16 Dec 1997 14:19:27 -0600 (CST)
From: DEE ALMQUIST <w4pnt@rica.net>

To: boatanchors@theporch.com
Subject: BUG WHAT IS IT
Message-ID: <199712162019.0AA26100@sco.theporch.com>

Hi Fello Anchorites

I recently purchased an old chrome (mabe nickle) plated bug that is 2&3/4 wide and 6&3/4 long, has one odd "L" shapped paddle(no index finger knob on paddle), uses standard (vibroplex) weights. There is no id anywhere on frame or base. Any ideas? BTW, this old bug is needing a home soon.

Also who has parts for Vibroplex? I need a bakelite thumb paddle.

Regards

Dee

Patty, KA4EKK & Dee, W4PNT

Patty and Dee's Marina, collectors of Drake, Johnson, Collins, RCA, Hammarlund, homebrew and other heavy metal. ALL HOBBY....WE'RE RETIRED!

(540)249-3161 Fax: (540) 249-5064
534 W. Main St. Waynesboro, Va. 22980

Date: Tue, 16 Dec 1997 14:20:50 -0600 (CST)
From: Avery Comarow <acomarow@USNEWS.COM>
To: boatanchors@theporch.com
Subject: WTB: NC-183-D and/or HRO-60
Message-ID: <199712162020.0AA26211@sco.theporch.com>

My interest has been building for several years (I think slow) in acquiring either, maybe both, of these estimable receivers. Anybody got one in nice shape for a not-too-unaffordable price? An easy drive from the Washington, D.C. suburbs would be an added bonus...I'm not crazy about the fate that can befall these old honeys if they're shipped.

Avery W40GK

Date: Tue, 16 Dec 1997 15:29:52 -0500 (EST)
From: "P. J. Rovero" <provero@connix.com>
To: "Cal J. Eustaquio" <ceustaqu@polymail.cpunix.calpoly.edu>
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Building R-390 from scratch
Message-ID: <Pine.BSI.3.95.971216152852.3656A-1000000@comet.connix.com>

Be sure to register as a manufacturer and forward the serial number to Tom Norris!

P. J. "Josh" Rovero	email: provero@connix.com
Oceanographer	work: rovero@sonalysts.com
Meteorologist	radio: KK1D
Curmudgeon at Large	web: http://www.connix.com/~provero/

Date: Tue, 16 Dec 1997 14:37:08 -0600 (CST)
From: DEE ALMQUIST <w4pnt@rica.net>
To: boatanchors@theporch.com
Subject: WTD:B&W TANK COILS,INFO
Message-ID: <199712162037.0AA26716@sco.theporch.com>

For some time now I have been planning a restoration project on an old homebrew tx from the '40s. I seem to think this was in about a 1947 Amateur Handbook project. Using B&W KW tank with plug in coils, P.P. around pr of Eimac 304TLs., Neat!! We found most of the orig tx and power supply. Didn't find the modulator chassis. Time must of done away with that. What I am looking for is PA tank coils HDVL 160, HDVL 80, HDVL 40. And the grid coils, BVL 160, BVL 80, BVL 40. I could also use a few more 304TLs. Any body have anything willing to trade out? If any one remembers anything about this homebrew project, original written specs, etc. I would like to hear from you. Thanks & 73

Dee

Patty, KA4EKK & Dee, W4PNT

Patty and Dee's Marina, collectors of Drake, Johnson, Collins, RCA, Hammarlund, homebrew and other heavy metal. ALL HOBBY....WE'RE RETIRED!

(540)249-3161 Fax: (540) 249-5064
534 W. Main St. Waynesboro, Va. 22980

Date: Tue, 16 Dec 1997 15:41:28 -0500
From: Ed Tanton <n4xy@bellsouth.net>
To: carruth@swbell.net
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: METER GLASS REPAIR
Message-ID: <3.0.1.32.19971216154128.00ad55c0@mail.atl.bellsouth.net>

73

"Think you can, think you can't: either way you're right!" Henry Ford

Date: Tue, 16 Dec 97 17:10:11 -0800
From: philip mccoys <dgnova@erols.com>
To: boatanchors@sco.theporch.com
Subject: Re design of 522
Message-ID: <199712162118.QAA04998@smtp2.erols.com>

I had one of the 522s Very popular converted to 2 meters.

Original design:

They shipped over one of the British VHF sets. Covered 100mcs to 120mcs. Both airborne and ground. Bendix was tasked to build the US model. Did a very good job too. US model covered 100mcs to 150mcs

Philip McCoy dgnova@erols.com

Date: Tue, 16 Dec 1997 16:42:03 -0500 (EST)
From: ARONGV@aol.com
To: boatanchors@theporch.com
Subject: SX-101

Message-ID: <971216164203_-1772858952@mrin52>

Hi Gang:

I've had a guy promising to sell me a VGC SX-101 for several months now. Sent the check, apparently it got lost or?
Now it's gone.

My retirement is just 11 months away, and I sure would like to have a nice one on the air before I retire and before I can't lift or move it any more. Can anyone help me locate a nice SX-101 or SX-101A? I'm not looking for a museum piece (I'd think i already died and went to heaven!!!), just a set from someone who is willing to sell and ship that monster.

Ron W00IZ

Date: Tue, 16 Dec 1997 15:51:30 -0600
From: Tom Norris <badger@telalink.net>
To: (Recipient list suppressed)
Subject: Building R-390 from scratch "The Other Tom"
Message-ID: <3.0.3.32.19971216155130.007590b8@mail1.telalink.net>

Wrong Tom -- the correct Tom is N5OFF, n5off@w5ddl.aara.org
He is the Tom that collects the serial numbers.

Thanks

Tom
(the other one)

>
>Be sure to register as a manufacturer and forward the serial number
>to Tom Norris!
>
>P. J. "Josh" Rovero email: provero@connix.com
>Oceanographer work: rovero@sonalysts.com
>Meteorologist radio: KK1D
>Curmudgeon at Large web: http://www.connix.com/~provero/
>
>
>
>

Date: Tue, 16 Dec 1997 22:40:31 +0100
From: Heinz und Hannelore Breuer <hbreuer@metronet.de>
To: ab5wg@von1.com
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Info on Jackson Ball Drives
Message-ID: <3496F54F.495B@metronet.de>

Ron Eisenbrey wrote:

>
> Would anyone on this list have any information on Jackson Ball Drives?
> I would like to contact the factory if they are still in business?
> These ball drives were found in many types of old communications
> equipment and amateur gear. If you have a Surplus Sales of Nebraska
> catalog there is a picture of one on page 320.
>
> The only thing readable on the drive I have is "Made in England". No
> luck on searching the net!
>
> As an alternative would anyone recommend a US manufacturer who makes
> similiar devices.
>
> Thanks and Happy Holidays to all.
>
> 73
>
> Ron, AB5WG

Hi Ron,

I found the Jackson Ball Drives in a catalog from:

Mainline Electronics
P.O.Box 235
Leicester LE2 9SH
phone 0116 277 7648
fax 0116 247 7551

When calling from the US dial 011 44 and skip the 0 from the phone no.
A webpage is under construction: www.mainlinegroup.co.uk
They accept Mastercard and Visa.

They have the 6:1 reduction drive, order # 25-4511 for GBP 4.28 which is
about \$ 7.25 at single quantities. Price goes down to GBP 3.57 for 25 or
more. They also have 10:1 drives, reduction drive with 4" scale and
an all metall vernier dial drive for GBP 11.21
I found the catalog yesterday while cleaning out my shack. I have picked

it up at their booth at the Weinheim/Germany UHF-Tagung (UHF-Meeting) in September.

The usual disclaimer applies. No connections not even a customer so far.

Happy Holidays

73

Heinz - KF6FNC

Date: Wed, 17 Dec 1997 09:11:15 +1100
From: Morris Odell <morriso@vifp.monash.edu.au>
To: boatanchors@sco.theporch.com
Subject: Tube identification
Message-ID: <3496FC83.6B7B@vifp.monash.edu.au>

Hi all,

Can someone confirm for me whether tube types 8425 and 8426 are in fact special versions of the 6AU6 and 12AU6 ?

Thanks

Morris VK3DOC

Date: Tue, 16 Dec 1997 17:11:48 -0500
From: Richard Post <post@ouvaxa.cats.ohiou.edu>
To: boatanchors@theporch.com
Subject: What is a BC-1033?
Message-ID: <v03007805b0bcab799c19@[132.235.46.28]>

An e-mail contact from overseas asked about a BC-1033A or B. I could not find it on the mil list. Since the most knowledgeable communication equipment experts reside on this list, can anyone enlighten me? What is it? Common failure modes? Gotchas?

Tnx,

Rich KB8TAD

Boatanchpor Pix website

<http://ouvaxa.cats.ohiou.edu/~post/PIX/BA.html>
mirror site
<http://www.qsl.net/kb8tad/>

visit the Museum of Radio and Technology website
<http://www.library.ohiou.edu/MuseumR&T/museum.htm>

Date: Tue, 16 Dec 1997 15:20:10 -0700
From: Dave Hollander <davidh@getnet.com>
To: BOATANCHORS <BOATANCHORS@LISTSERV.TEMPE.GOV>,
Old Tube Radios <boatanchors@theporch.com>
Subject: National RAO Receiver Mechanical Problem
Message-ID: <3496FE97.9B9B18BF@getnet.com>

My National RAO catacomb radio is now running quite nicely however I have a problem with backlash on the main tuning dial. I have torn into the gear box without taking anything apart and can see what is slipping but haven't a clue as to how to fix it. It has two gears in kind of a clutch like arrangement. Is anybody familiar with the gearbox from the RAO or possibly similar National radios like the NC-100A? This is not the same reduction box used in an HR05 or earlier.

By the way , I used armorall to cleanup the front panel which appeared to be faded. It cleaned up beautifully this method. I have also never seen such a heavy front panel. The panel appears to be steel and must weigh at least 6 or 7 pounds.

Any suggestions on the gearbox would be appreciated

73 and Seasons Greetings,

Dave Hollander N7RK
<http://www.getnet.com/~davidh/>

Date: Tue, 16 Dec 1997 16:34:26 -0600 (CST)
From: Bob Roehrig <broehrig@admin.aurora.edu>
To: DEE ALMQUIST <w4pnt@rica.net>
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: BUG WHAT IS IT
Message-ID: <Pine.ULT.3.96.971216163028.15658B-1000000@admin.aurora.edu>

On Tue, 16 Dec 1997, DEE ALMQUIST wrote:

> Also who has parts for Vibroplex? I need a bakelite thumb paddle.
Vibroplex is alive and well in Mobile, AL. 800-840-8873 for orders.
You want either the Red thumb piece #4001 or black is #4003.

"Nostalgia is a thing of the past"
E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL
630-844-4898 Fax 630-844-5530

Date: Tue, 16 Dec 1997 17:45:51 -0500
From: Al Klase <skywaves@bw.webex.net>
To: morriso@vifp.monash.edu.au
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Tube identification
Message-ID: <3497049E.FC08FC63@bw.webex.net>

According to Sibley's Tube Lore, this is correct.

73, Al

Morris Odell wrote:

> Hi all,
>
> Can someone confirm for me whether tube types 8425 and 8426 are in fact
> special versions of the 6AU6 and 12AU6 ?
>
> Thanks
>
> Morris VK3DOC

--
Al Klase - N3FRQ
skywaves@bw.webex.net
Flemington, NJ 08822
Web Page: <http://www.webex.net/~skywaves/home.htm>

Date: Tue, 16 Dec 1997 17:51:39 -0500
From: Al Klase <skywaves@bw.webex.net>
To: post@ouvaxa.cats.ohiou.edu
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: What is a BC-1033?
Message-ID: <349705F8.76117BA0@bw.webex.net>

-----E9F6E9BD155530E563F39FB9
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Richard and the Group,

The BC-1033A is a three-tube fixed-tuned 75MC "marker" receiver. These were used in aircraft to detect the outer, middle, and inner marker when approaching the runway. My suspicions are that they're rather insensitive and largely useless for anything but their original application.

Hope this helps.

73, Al

Richard Post wrote:

> An e-mail contact from overseas asked about a BC-1033A or B. I could not
> find it on the mil list. Since the most knowledgeable communication
> equipment experts reside on this list, can anyone enlighten me? What is
> it? Common failure modes? Gotchas?
>
> Tnx,
>
> Rich KB8TAD
>
> Boatanchpor Pix website
> <http://ouvaxa.cats.ohiou.edu/~post/PIX/BA.html>
> mirror site
> <http://www.qsl.net/kb8tad/>
>
> visit the Museum of Radio and Technology website
> <http://www.library.ohiou.edu/MuseumR&T/museum.htm>

--
Al Klase - N3FRQ
skywaves@bw.webex.net

<P>--

Al Klase - N3FRQ

skywaves@bw.webex.net

Flemington, NJ 08822

Web Page: http://
www.webex.net/~skywaves/home.htm

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</HTML>

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Content-ID: <part1.349705F8.354BE4A4@bw.webex.net>
Content-Transfer-Encoding: base64
Content-Disposition: inline; filename=""

-----5295B48720A8CCC517AA0FFD--

-----E9F6E9BD155530E563F39FB9--

Date: Tue, 16 Dec 1997 14:56:39 -0800
From: "larry W6WUH" <rau@wco.com>
To: "boatanchors" <boatanchors@theporch.com>
Subject: Heinz Breuer
Message-ID: <199712162258.0AA08727@shell.wco.com>

email sent to your address returned "fatal error"
deal accepted please call
larry

Date: Tue, 16 Dec 1997 17:09:39 -0600
From: "Buzz (Wayne) Harrah" <wayne.harrah@mci.com>
To: BoatAnchor Reflector <BoatAnchors@theporch.com>
Subject: On perfection inside a BA
Message-ID: <34970A33.5965@mci.com>

I want to thank those of you who have been voicing opinions (Mr. Van Cleef, Don Davis, etc) about the pros and cons of parts replacement ala: [to-perfection -vs- good-enough-to-do-the-job].

I am a horrible type-A (anal-retentive, perfectionist to a fault, etc.)

with a confidence problem to boot when I am in 'foreign' territory.
Right now. BAs are still 'foreign' to me.

Like MR. Van Cleef, I generally do NOT like half-way installations by knowledgeable people who know the difference, and have the ability to do better.

But, (relating to my new BA hobby) I also have found that this same fear (intolerance) of being the 'slightest' bit imperfect in my implementation/repair has kept me from even STARTING some projects/jobs. Usually lack of time is the big reason, but, the imperfection quotient figures in heavily. ("Don't do is better than try to do and do less than perfectly" was my motto. Fear of perceived failure was my excuse. I am trying to get over that.

Just think of where we would be if Art C. had thought that way? I'll bet he prototyped a couple of boxes before the first one went out the door. Maybe (forgive me, Art) even twisted a couple of wires together once? Then again, probably not. But, maybe he did. I KNOW the Wrights crashed a couple of times, though.

I can't afford to buy museum pieces, and probably wouldn't if I could. I am a utilitarian; what did they say in the 50's: "Chrome don't win no races."? I was born in '60, so this is what I remember from shows like "American Graffiti", etc. Sorry.

I will apologize to you all NOW if you ever buy one of my radios and you swear under your breath about my heritage if it has spliced connections in it. I will do it the 'right' way if at all possible; however, if I can't, then I will try to NOT lose sleep over choosing not walking into a minefield because it was the 'right thing to do'. Hopefully, you will never know anyway, as my repair should remain 'invisible' forever, if the radio keeps working.

I don't think people set out to break expensive/hard to find parts. Personally, I am a walking accident! Murphy is my shadow. Any of you guys think that besides me? Why take a chance if the risk/improvement ratio is low? I always have to be VERY careful.

I am helping KOAL clean up a RANGER I so I can learn-as-I-go, and save some money, too. He heartily agreed that it is better to leave a spec of dirt than to BREAK something tough to replace in the name of clinical cleanliness. That makes sense to me. Is that a bad principle?

You BA GUYS AND GALS are the greatest. You know so much, and, hopefully, I can (with your help and inspiration) live some of that great era before the catch-phrase 'Solid State' was plastered on every device known to man. You BA Veterans (MALE AND FEMALE!) are the

pioneers, and I am just one disciple among you. Don't shoot me if I goof or don't do it perfectly.

If you wanna yell/praise me, send it direct to me and not the reflector for the following reasons:

- [a] public humiliation will be avoided
- [b] bandwidth waste on an already (probably) 'dead' horse avoided
- [c] the rest of you guys probably know all this already :)

Thanx for being so tolerant of us 'Electrically and dexterity challenged' followers.

--

Buzz, ke0ms

* 'Buzz' (Wayne) Harrah (ke0ms)*

* mailto:Wayne.Harrah@mci.com *

* 1-800-728-7000, ext. 2096 *

* V820-2096 *

proverb: "Some questions are unanswerable; some answers are questionable."

Thought: If a FLY had no wings, would it be called a 'WALK'?

Date: Tue, 16 Dec 1997 15:55:20 -0800

From: "larry W6WUH" <rau@wco.com>

To: "boatanchors" <boatanchors@theporch.com>

Subject: HO-10 + 13 gone

Message-ID: <199712162356.PAA29806@shell.wco.com>

my heath monitor scopes are spoken for.. thanks
Larry

Date: Tue, 16 Dec 1997 15:56:59 -0800

From: "larry W6WUH" <rau@wco.com>

To: "boatanchors" <boatanchors@theporch.com>

Subject: DX Guy your mail is broke

Message-ID: <199712162358.PAA00366@shell.wco.com>

all mail sent to you is returned.. what gives ?

I get messages but replies are undeliverable.
larry

Date: Tue, 16 Dec 1997 19:05:04 -0500 (EST)
From: JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
To: boatanchors@theporch.com
Message-ID: <9712161905.aa21444@pcusa01.ecunet.org>

To: boatanchors@theporch.com

For Sale --

A.C. Voltage Stabilizer mfd. by Raytheon, type VR-6110

Rated 95 to 135 VAC/60 Hz in, 115 VAC regulated out, 0.13 amps, 15 watts.

This is a magnetically-controlled(?--contains no active devices) AC line voltage regulator using true BA technology! Measures 6" x 2.5" x 3.5", two mounting ears, innards are potted. Appearance fair to good, wires (cloth insulation) somewhat frayed, unit works FB.

I used it a once upon a time ago to stabilize the AC input to a separate filament xfmr for my old receiver's HF oscillator.

\$10 plus shipping.

-John Sehring (Tue, Dec 16, 1997 10:54 am MT @Baker, Montana) UCC WB2EQG

Date: Tue, 16 Dec 1997 16:10:19 -0800
From: "larry W6WUH" <rau@wco.com>
To: "boatanchors" <boatanchors@theporch.com>
Subject: Tube price claification
Message-ID: <199712170011.QAA04808@shell.wco.com>

here are the prices for the tubes I offered

I dint mean to make this into some kind of bidding war...
lower offers considered.

703 2 used \$ 5 each AES new 16
707B 5 NIB \$ 10 each AES new 23 small klystron
717 1 used \$ 5 each AES new 16
725 2 good used \$ 25 each ?? AES new ??? (you dont want to know
!!) Radar magnetron

Globe envelope triodes:

808's 1 or 2 new \$ 30 each you must need these for existing modulator
/transmitter AES new \$46
808 1 used \$ 20 ditto...so far two fellow have said
they need them but ...?

Hi-Fi Audio

mil spec 6SN7 used buck each ? less in qty. AES new \$6 but not mil
spec.

the poor mans 5692 ???

End of BOATANCHORS Digest 1836
